IMPLANTABLE SINGLE-CHAMBER ATRIAL PACING DEVICE PROVIDING ACTIVE VENTRICULAR FAR FIELD SENSING AND RATE LIMIT

Abstract of the Disclosure

A maximum pacing rate is dynamically established during single-chamber atrial pacing of a heart by a rate control system within a single-chamber or dual-chamber cardiac stimulation device which paces the atria of a heart on demand at the end of an escape interval. The system includes a detector that detects an atrial activation of the heart and an R wave of the heart corresponding to the detected atrial activation. The system further includes a rate limit circuit that determines a minimum RA interval and extends the escape interval to an extended escape interval to end with the minimum RA interval.